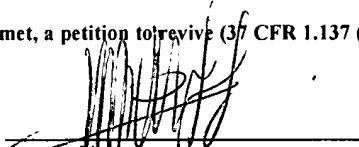


<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>2003882-0043 (P36186US-M/ECC/CC)</b>
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>To be assigned</b> <i>12032015</i>
INTERNATIONAL APPLICATION NO. <b>PCT/GB2005/000002</b>	INTERNATIONAL FILING DAT <b>January 5, 2005</b>	PRIORITY DATE CLAIMED <b>January 6, 2004</b>
TITLE OF INVENTION <b>NANOPOROUS/MESOPOROUS PALLADIUM CATALYST</b>		
APPLICANT(S) FOR DO/EO/US <b>Kucernak, et al.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <b>Publication WO2005/067082A2 (39 pp., including front page and 6 sheets of formal drawings)</b></li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendment has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.56, 1.97 and 1.98. (<b>6 pp.</b>) with PTO Form 1449 (<b>1 pg</b>) and Cited Art (<b>7 references, 4 enclosed</b>)</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment. (<b>7 pp.</b>)</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input checked="" type="checkbox"/> A substitute specification (<b>26 pp</b>)</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information:</li> </ol>		

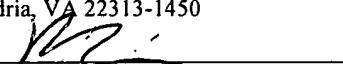
U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <i>03-1721</i> <b>To BE ASSIGNED</b>	INTERNATIONAL APPLICATION NO. PCT/GB2005/000002	ATTORNEY'S DOCKET NUMBER 2003882-0043 (P36186US-M/ECC/CC)	
21. The following fees are submitted:		Applicant use      Office use only	
<input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00		\$ 300.00	
<input checked="" type="checkbox"/> b) Examination fee ..... \$200.00		\$ 200.00	
<input checked="" type="checkbox"/> c) Search fee (International Search Report prepared by an ISA other than the US) ..... \$400.00		\$ 400.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b> ..... \$900.00		\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	
46 - 100 =	/50 =	x \$250.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).		\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	48- 20 =	28	x \$50.00
Independent claims	1 - 3 =	0	x \$200.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		\$360.00	\$ 360.00
		<b>TOTAL OF ABOVE CALCULATIONS =</b>	\$ 2,790.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.		\$	
		<b>SUBTOTAL =</b>	\$ 2,790.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f))		\$ 0.00	
		<b>TOTAL NATIONAL FEE =</b>	\$ 2,790.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$ 0.00	
		<b>TOTAL FEES ENCLOSED =</b>	\$ 2,790.00
		<b>Amount to be refunded</b>	\$
		<b>Amount to be charged</b>	\$ 2,790.00
<p>a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>03-1721</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>03-1721</u>. A duplicate of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>			
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</b></p> <p>SEND ALL CORRESPONDENCE TO:</p> <p><b>Patent Group</b>  <b>Choate, Hall &amp; Stewart LLP</b>  <b>Two International Place</b>  <b>Boston, Massachusetts 02110</b>  <b>Tel: 617-248-5000</b>  <b>Fax: 617-248-4000 Dated: June 28, 2006</b></p>			
 Signature <u>Nadège M. Lagneau, Ph.D.</u> Name <u>51,908</u> Registration Number			

- PCT Request ( pg.)
- Written Opinion of the International Searching Authority (11 pp)
- Notification of International Application No. and Filing Date ( pg.)
- International Search Report ( 6 pp.) *RECEIVED - 6/29/2006*
- Return Postcard
- Certificate of Express Mail (1 pg)
- Credit Card Payment Form (1 pg)
- Notification of Receipt of Record Copy ( pg., incl. cover sheets)
- Notification Concerning Submission or Transmittal of Priority Document ( pg.)
- Statement Under 37 CFR § 1.821 ( pg.)
- Paper Copy of Sequence Listing ( pg.)
- Marked up Specification ( 27 pp)
- Formal Drawings (6 sheets)

CERTIFICATE OF EXPRESS MAILING

"Express Mail" mailing label number: EV853903715US  
Date of Deposit: June 29, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service as "*Express Mail Post Office to Addressee*" service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Signature

Mary B. Wilson

Printed Name

Express Mail No.: EV853903715US  
Date of Deposit: June 29, 2006

Docket No.: 2003882-0043 (P36186US-M/ECC/CC)  
Customer No. 24280

100-2005  
JUN 2006

**ATTORNEY'S DOCKET NUMBER: 2003882-0043 (P36186US-M/ECC/CC)**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Kucernak, et al. Examiner: To be assigned  
Serial No.: To be assigned Art Unit: To be assigned  
Filing Date: June 29, 2006 Conf. No: To be assigned  
From Int. Appl. No.: PCT/GB2005/000002  
Intl Filing Date: January 5, 2005  
Priority Date: January 6, 2004  
Title: NANOPOROUS/MESOPOROUS PALLADIUM CATALYST

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

<b>CERTIFICATE OF EXPRESS MAILING</b>	
"Express Mail" mailing label number: <u>EV853903715US</u>	
Date of Deposit: <u>June 29, 2006</u>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as " <i>Express Mail Post Office to Addressee</i> " service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
 _____ Signature	_____ Mary B. Wilson _____ Printed Name

**TRANSMITTAL LETTER**

Enclosed for filing in the above-referenced patent application, please find the following documents:

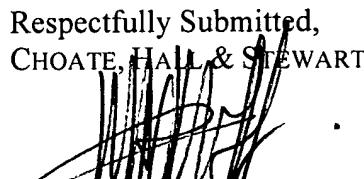
1. Transmittal Letter to the United States Designated Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. § 371 in duplication (3 pp);
2. Copy of the Published International Application WO2005/067082A2 (39 pp);
3. Preliminary Amendment (7 pp);
4. Marked-up Specification (27 pp);
5. Substitute Specification (26 pp);
6. Formal Drawings (6 sheets);
7. International Search Report (6 pp);
8. Statement Filed Pursuant To The Duty Of Disclosure Under 37 CFR §§1.56, 1.97 and 1.98 (6 pp);
9. Form PTO-1449 (1 pg);
10. Cited Art (7 references, 4 enclosed);
11. Written Opinion of the International Searching Authority (11 pp);
12. Certificate of Express Mail (1 pg);
13. Credit Card Payment Form in the amount of \$ 2,790.00 representing the Filing Fee for new '371 application (1 pg); and
14. Return Post Card.

207535015

2003882-0043, 7020 JUN 2006

Please charge any additional fees associated with this filing, or apply any credits, to our Deposit Account No. 03-1721.

Respectfully Submitted,  
CHOATE, HALL & STEWART LLP

  
Nadège M. Lagneau, Ph.D.  
Reg. No.: 51,908

Date: June 29, 2006

**Customer No. 24280**

PATENT DEPARTMENT  
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Two International Place  
Boston, Massachusetts 02110  
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Express Mail No.: EV 853903715 US

Attorney Docket No.: 2003882-0043  
Client Ref.: P36186US-M/ECC/CC

U.S. Patent and Trademark Office  
June 29, 2006

ATTORNEY'S DOCKET NUMBER: 2003882-0043 (P36186US-M/ECC/CC)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Kucernak, et al.	Examiner:	To be assigned
Serial No.:	To be assigned	Art Unit:	To be assigned
Filing Date:	June 29, 2006	Conf. No:	To be assigned
From Int. Appl. No.:	PCT/GB2005/000002		
Intl Filing Date:	January 5, 2005		
Priority Date:	January 6, 2004		
Title:	NANOPOROUS/MESOPOROUS PALLADIUM CATALYST		

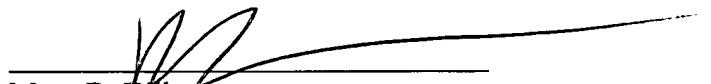
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**Customer No. 24280**

Sir:

**Certificate of Express Mailing**

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Mary B. Wilson  
Express Mail No.: EV853903715US